

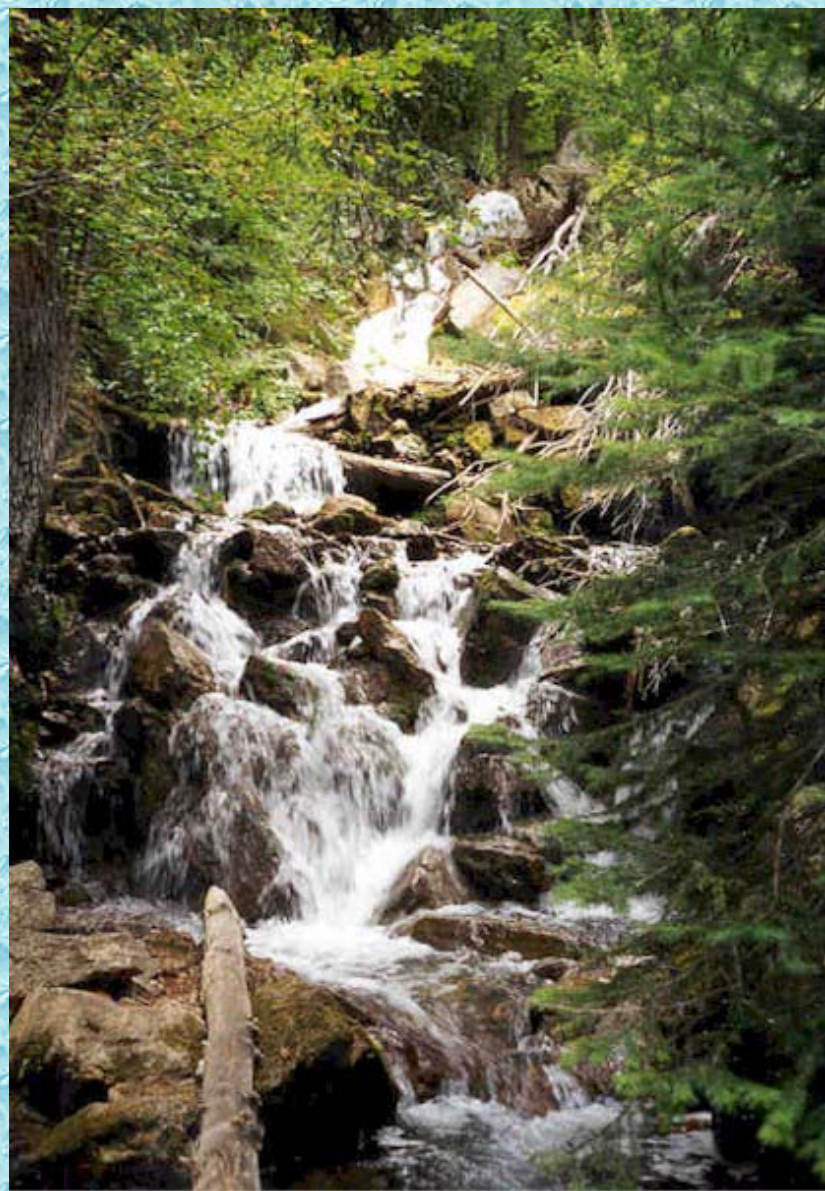
Status of the Storm Water Program

*5th Annual Region 6 Storm Water Operators Conference
Corpus Christi
June 9-13, 2003*

EPA Region 6









What Do States Identify as the Leading Causes and Sources Affecting Impaired Waters?

- **Leading Causes:** Siltation, nutrients, bacteria, metals (primarily mercury), and oxygen depleting substances
- **Leading Sources:** Pollution from urban and agricultural land that is transported by precipitation and runoff

Sources of Impairment

- According to 2000 305b report, of the 32% of the nation's waters that were assessed, 40% were impaired:
 - **Rivers & Streams:** 19% assessed, 39% impaired, 11% of impairment due to urban runoff/storm sewers
 - **Lakes & Ponds:** 43% assessed, 45% impaired, 18% of impairment due to urban runoff/storm sewers
 - **Estuarine:** 36% assessed, 51% impaired, 32% of impairment due to urban runoff/storm sewers
 - >50% of impaired shoreline miles are impaired due to urban runoff/storm sewers

Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts

Why is Storm Water a Problem?

- Developed and disturbed land contributes to problems
 - Quality
 - Quantity
- Other pollutants enter storm sewer systems and pollute storm water
 - Illicit discharges
 - Illicit connections

Potential Impacts from Storm Water

- Destruction/Degradation of aquatic habitat
- Accelerated loss of storage in lakes/reservoirs
- Diminished water recreation experiences
- Reduced aesthetic and preservation values
- Increased hydroelectric facility impairment
- Accelerated stream bank erosion
- Increased flood damages
- Reduced infiltration/groundwater recharge



WHEN YOUR CAR'S LEAKING OIL ON THE STREET, REMEMBER IT'S NOT JUST LEAKING OIL ON THE STREET.



WHEN YOU'RE WASHING YOUR CAR IN THE DRIVEWAY, REMEMBER YOU'RE NOT JUST WASHING YOUR CAR IN THE DRIVEWAY.



WHEN YOUR PET GOES ON THE LAWN, REMEMBER IT DOESN'T JUST GO ON THE LAWN.



WHEN YOU'RE FERTILIZING THE LAWN, REMEMBER YOU'RE NOT JUST FERTILIZING THE LAWN.

Expected Benefits

- Enhanced commercial, recreational and subsistence fishing
- Enhanced opportunities for swimming, boating and noncontact recreation
- Reduced flood damage
- Drinking water benefits
- Navigational benefits
- Reduced illness from consuming contaminated seafood and swimming in contaminated water
- Enhanced aesthetic value

HOT TOPICS

- EPA BMP and Measurable Goal Guidance – On Web Now
- 9th Circuit ruled on Phase II challenges– 1/14/03
- ELG for Construction – 2004

HOT TOPICS

- Transferred Construction permitting to TCEQ (except TRRC dischargers)
- Region 6 CGP – any day
- Propose Region 6 Small MS4 GP – June 03

Storm Water Program

Internet Resources

- Region 6:
www.epa.gov/region6/sws
(permits)
www.epa.gov/region6/sw
(enforcement)
- SWMRC:
www.stormwatercenter.net/